

Attorney's Docket No. 038779/271509

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re: Moon et al. Confirmation No.: 6451
Appl. No.: 10/720,662 Group Art Unit: 1648
Filed: November 24, 2003 Examiner: Lucas, Zachariah
For: PRE-S PROTEIN OF HEPATITIS B VIRUS (HBV) AS AN ADJUVANT AND
A COMPONENT OF HBV VACCINE

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97(c)**

Sir:

Attached is a list of documents on form PTO-1449 along with a copy of any cited foreign patent documents and non-patent literature document in accordance with 37 CFR 1.98(a)(2). Also enclosed is a translation or a concise explanation of each non-English language document.

It is requested that the Examiner consider these documents and officially make them of record in accordance with the provisions of 37 C.F.R. § 1.97 and Section 609 of the MPEP. By identifying the listed documents, Applicant in no way makes any admission as to the prior art status of the listed documents, but is instead identifying the listed documents for the sake of full disclosure.

This Information Disclosure Statement is submitted in accordance with 37 C.F.R. § 1.97(c), before final Office Action or Allowance, whichever is earlier.


05/13/2005 ZJUHA1 00000003 160605 10720662

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In re: Moon et al.
Appl. No.: 10/720,662
Filed: November 24, 2003
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A check for the \$180.00 fee specified in 37 C.F.R. § 1.17(p) is enclosed. The Commissioner is authorized to charge any additional fee, or credit any refund, to our Deposit Account No. 16-0605.

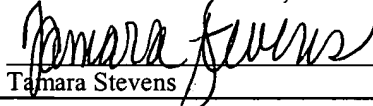
Respectfully submitted,


J. Scott Young
Registration No. 45,582

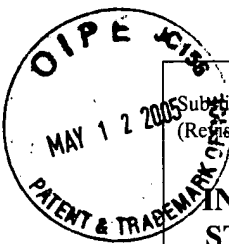
CUSTOMER NO. 00826
ALSTON & BIRD LLP
Bank of America Plaza
101 South Tryon Street, Suite 4000
Charlotte, NC 28280-4000
Tel Charlotte Office (704) 444-1000
Fax Charlotte Office (704) 444-1111

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on May 10, 2005


Tamara Stevens

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Substitute for form 1449/PTO
(Revised 04/2003)

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/720,662
Filing Date	November 24, 2003
First Named Inventor	Moon et al.
Group Art Unit	1648
Examiner Name	Lucas, Zachariah
Attorney Docket Number	038779/271509

Sheet 1 of 1

OTHER DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	English Language Translation Attached
	14	E. Miskovsky et al. Comparative safety and immunogenicity of yeast recombinant hepatitis B vaccines containing S and pre-S2+S antigens, Vaccine 9: 346-350, 1991	
	15	S. Kuroda et al. Induction of protection level of anti-pre-S2 antibodies in humans immunized with a novel hepatitis B vaccine consisting of M (preS2+S) protein particles (a third generation vaccine). Vaccine 9: 163-169, 1991	
	16	P.J. Kniskern et al. A candidate vaccine for hepatitis B containing the complete viral surface protein. Hepatology 8: 82-87, 1988	
	17	D.N. Standring, J.H. Ou, W.J. Rutter. Assembly of viral particles in Xenopus oocytes: pre-surface-antigens regulate secretion of the hepatitis B viral surface envelope particle. Proc. Natl. Acad. Sci. USA 83: 9338-9342, 1986	
	18	F.V. Chisari, P. Filippi, A. McLachlan, D.R. Milich, M. Riggs, S. Lee, R.D. Palmiter, C.A. Pinkert, R.L. Brinster. Expression of hepatitis B virus large envelope polypeptide inhibits hepatitis B surface antigen secretion in transgenic mice. J. Virol. 60: 880-887, 1986	
	19	K.C. Cheng, G.L. Smith, B. Moss. Hepatitis B virus large surface protein is not secreted but is immunogenic when selectively expressed by recombinant vaccinia virus. J. Virol. 60: 337-344, 1986	
	20	J. Hui et al. Expression and characterization of chimeric hepatitis B surface antigen particles carrying pre-S epitopes. J. Biotechnol. 72: 49-59, 1999	

Examiner Signature		Date Considered	
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*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.